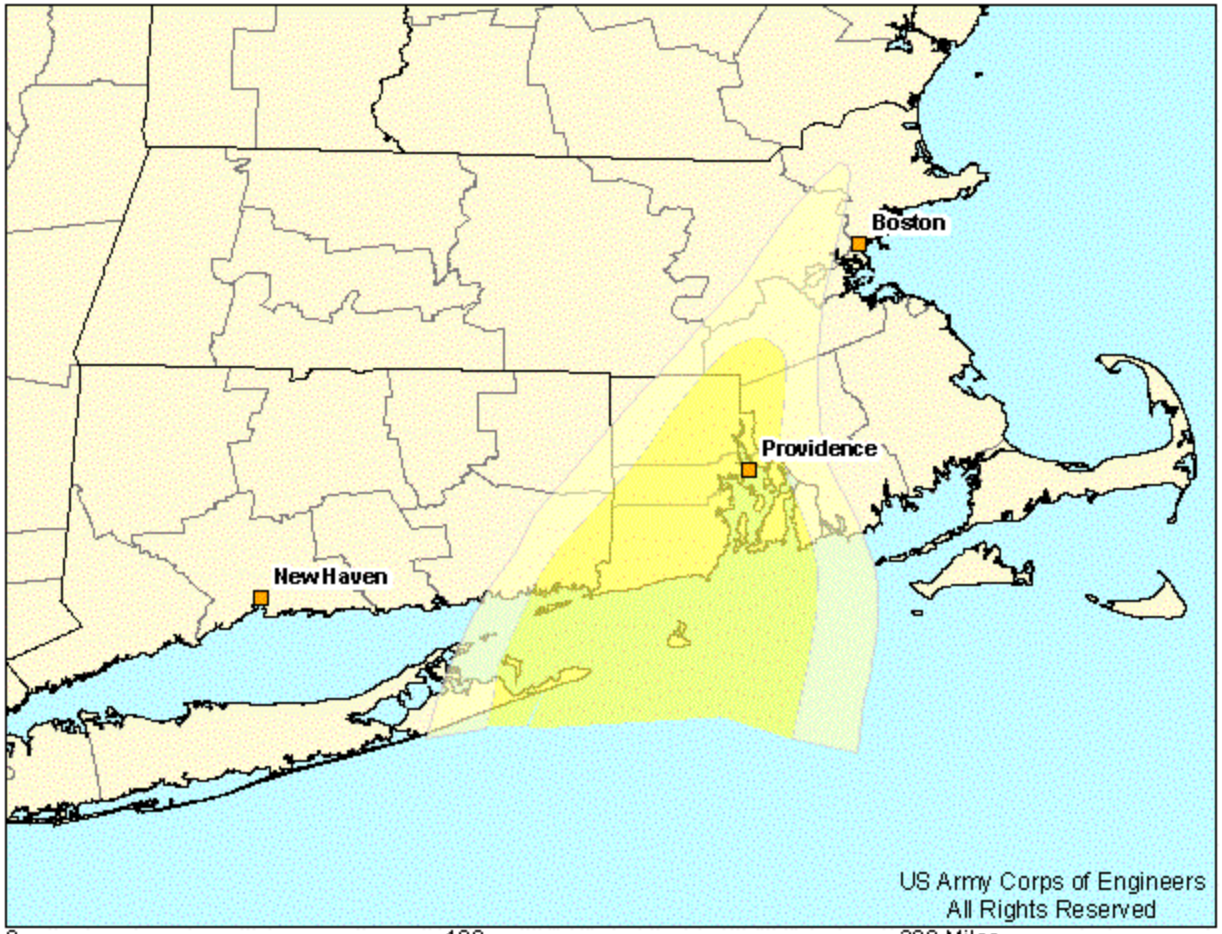
Hurricane NoName Projected Damage Areas

US Army Corps of Engineers

Landfall Expected In About 22 Hours

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 1 storm making landfall on coastal RI.

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a projected or actual Category 1 storm making landfall on coastal RI. These projections are based on information from the NHC (1600 EDT 08/12/2009) forecast and extrapolated by LRL staff to represent a landfall condition that has either occurred or may occur in the near future.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

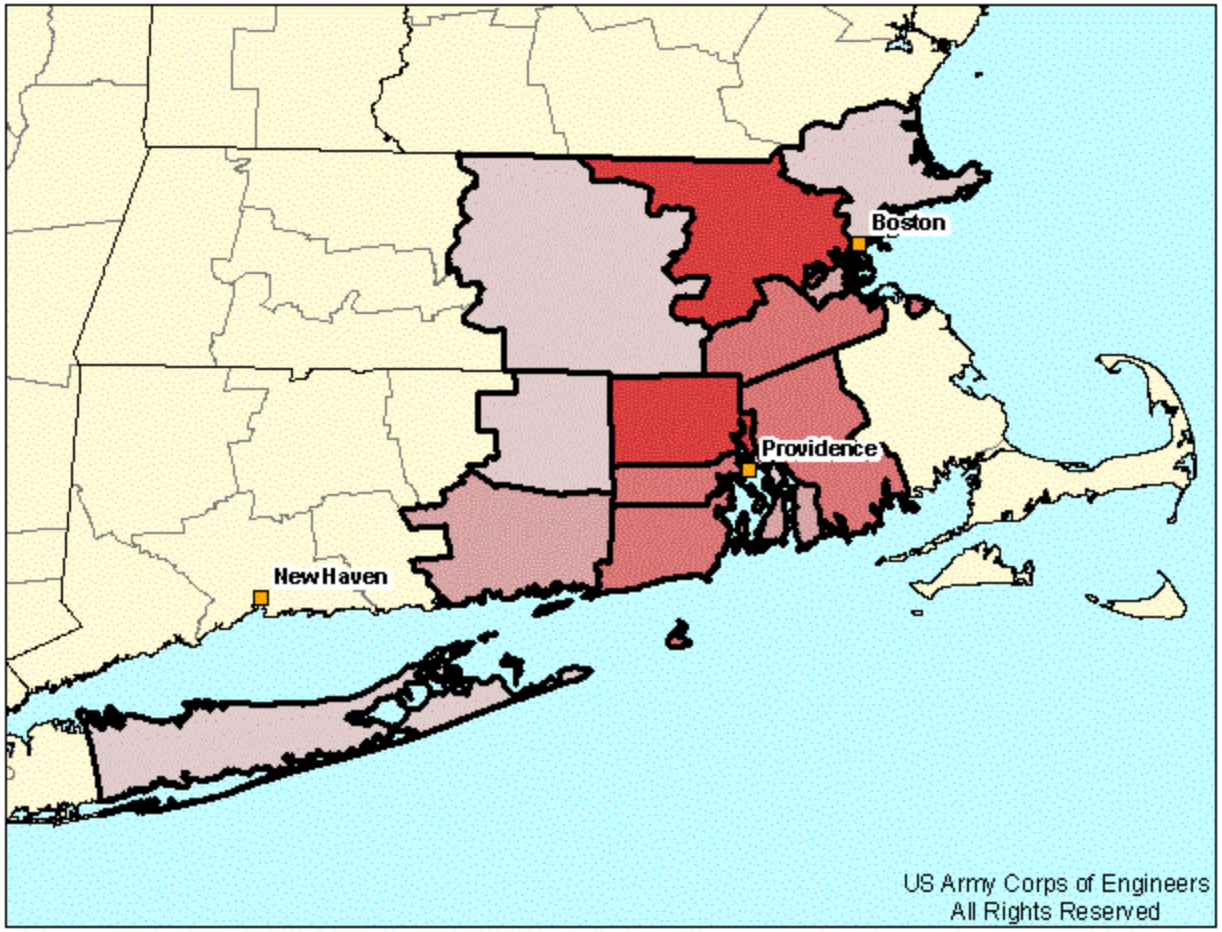
Hurricane NoName Projected Damage Areas	
Generated By: Siemsen, LRL 1630 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 13

US Army Corps of Engineers

Hurricane NoName Debris Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!



Post Landfall Debris Model Results

Rhode Island - 1,855,000 Yards
Massachusetts - 1,820,000 Yards
Connecticut - 192,000 Yards
New York - 47,000 Yards

Model results per County on following page

This model is based on a Category 1 storm making landfall on coastal RI.

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 1 storm making landfall on coastal RI. These projections are based on information from the NHC (1600 EDT 08/12/2009) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Debris Model	
Generated By: Siemsen, LRL 1630 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 2 of 13

US Army Corps of Engineers

Hurricane NoName Debris Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!

State	Yards per State	County	Yards per County
Connecticut		New London County	174,000
		Windham County	18,000
Connecticut	192,000		
Massachusetts		Bristol County	342,000
		Essex County	16,000
		Middlesex County	809,000
		Norfolk County	384,000
		Suffolk County	227,000
		Worcester County	42,000
Massachusetts	1,820,000		
New York		Suffolk County	47,000
New York	47,000		
Rhode Island		Bristol County	73,000
		Kent County	418,000
		Newport County	131,000
		Providence County	930,000
		Washington County	303,000
Rhode Island	1,855,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Debris Model

Generated By:
Siemsen, LRL 1630 EDT 08/12/2009

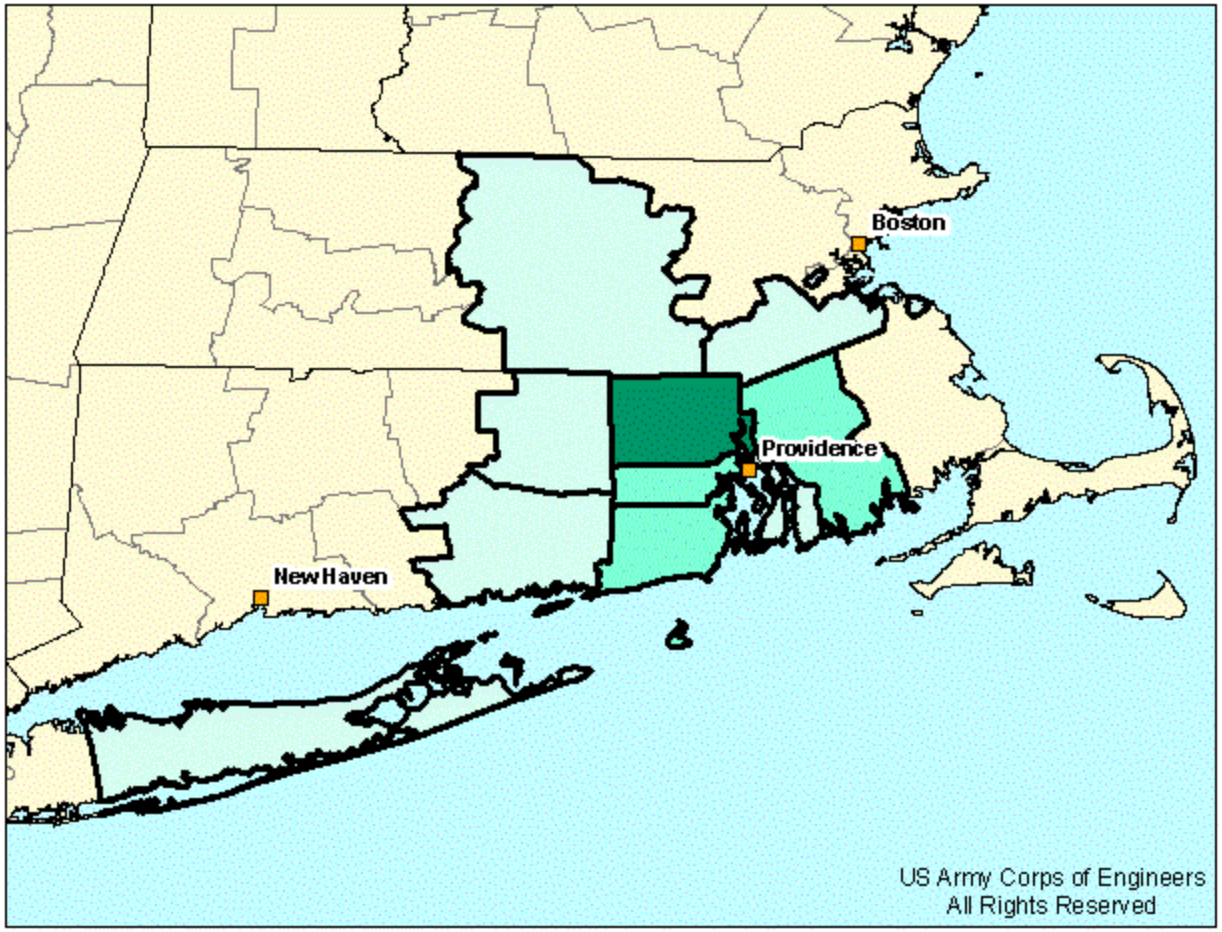
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Commodities Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!



Post Landfall Water Model Results

Day One / Day Two / Day Three

RI – 13/26/52 Truckloads
MA – 3/5/10 Truckloads
CT – 1/2/4 Truckloads
NY – 1/1/1 Truckload

Model results per County on following page

This model is based on a Category 1 storm making landfall on coastal RI.

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 1 storm making landfall on coastal RI. These projections are based on information from the NHC ***(1600 EDT 08/12/2009)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents daily needs with a ramp-up in the distribution system – three days for Points of Distribution (PODs) to be fully in place and operational. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Commodities Model	
Generated By: Siemsen, LRL 1630 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 4 of 13

US Army Corps of Engineers

Hurricane NoName Commodities Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
Connecticut		New London County	3
		Windham County	1
Connecticut	4		
Massachusetts		Bristol County	5
		Norfolk County	4
		Worcester County	1
Massachusetts	10		
New York		Suffolk County	1
New York	1		
Rhode Island		Bristol County	3
		Kent County	9
		Newport County	4
		Providence County	29
		Washington County	7
Rhode Island	52		

Source: US Army Corps of Engineers, All Rights Reserved

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested daily needs based on full deployment of a commodities distribution system. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Commodities Model

Generated By:
Siemsen, LRL 1630 EDT 08/12/2009

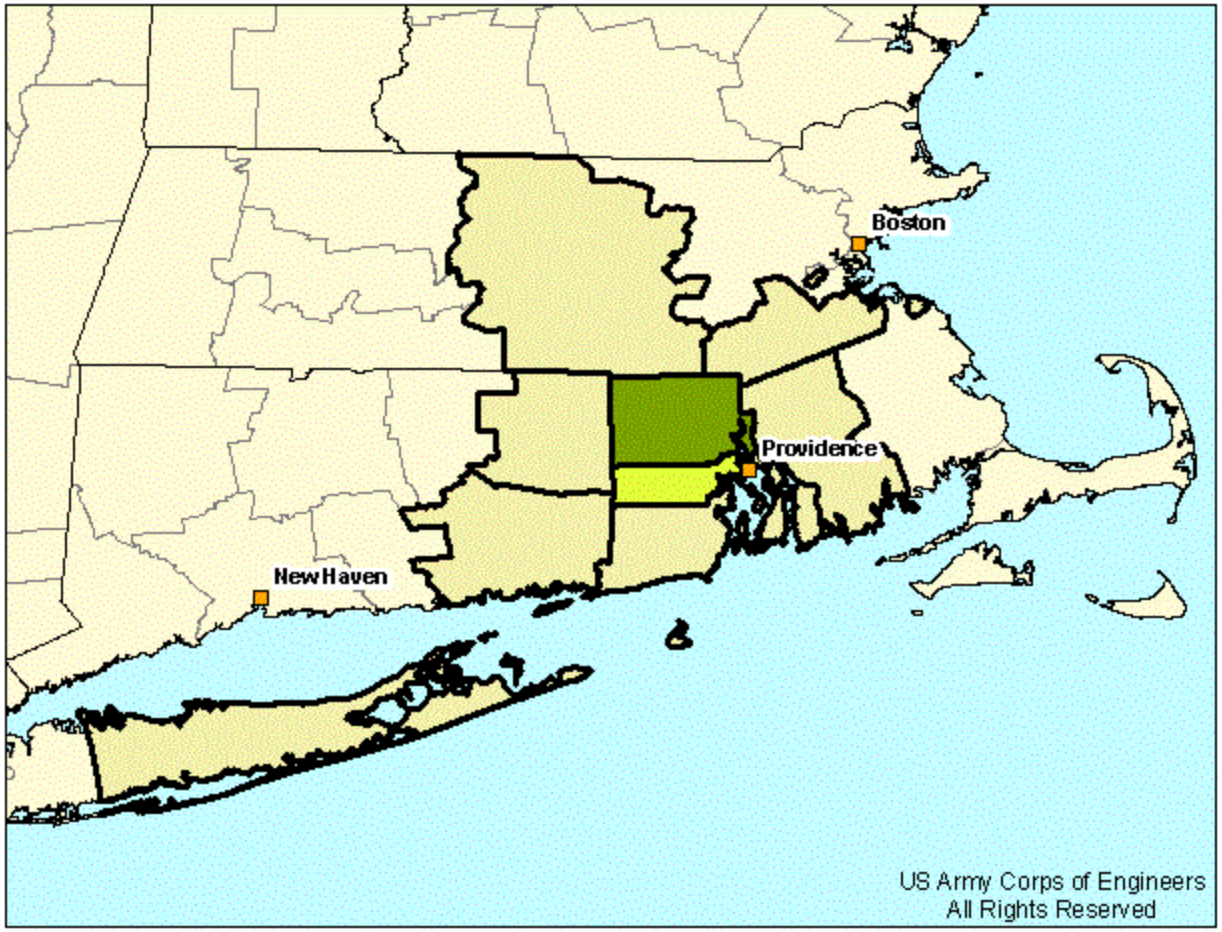
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Temporary Roofing Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!



Post Landfall Temporary Roofing Model Results

Rhode Island - 11,800
Massachusetts - 1,800
Connecticut - 500
New York - 200

Model results per County on following page

This model is based on a Category 1 storm making landfall on coastal RI.

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall on coastal RI. These projections are based on information from the NHC (1600 EDT 08/12/2009) forecast. Temporary roofing is based on 3% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Roofing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 6 of 13

US Army Corps of Engineers

Hurricane NoName Temporary Roofing Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Connecticut		New London County	500
		Windham County	< 100
Connecticut	500		
Massachusetts		Bristol County	1,100
		Norfolk County	700
		Worcester County	< 100
Massachusetts	1,800		
New York		Suffolk County	200
New York	200		
Rhode Island		Bristol County	600
		Kent County	2,100
		Newport County	900
		Providence County	6,700
		Washington County	1,500
Rhode Island	11,800		

Temporary roofing is based on 3% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Roofing Model

Generated By:
Siemsen, LRL 1630 EDT 08/12/2009

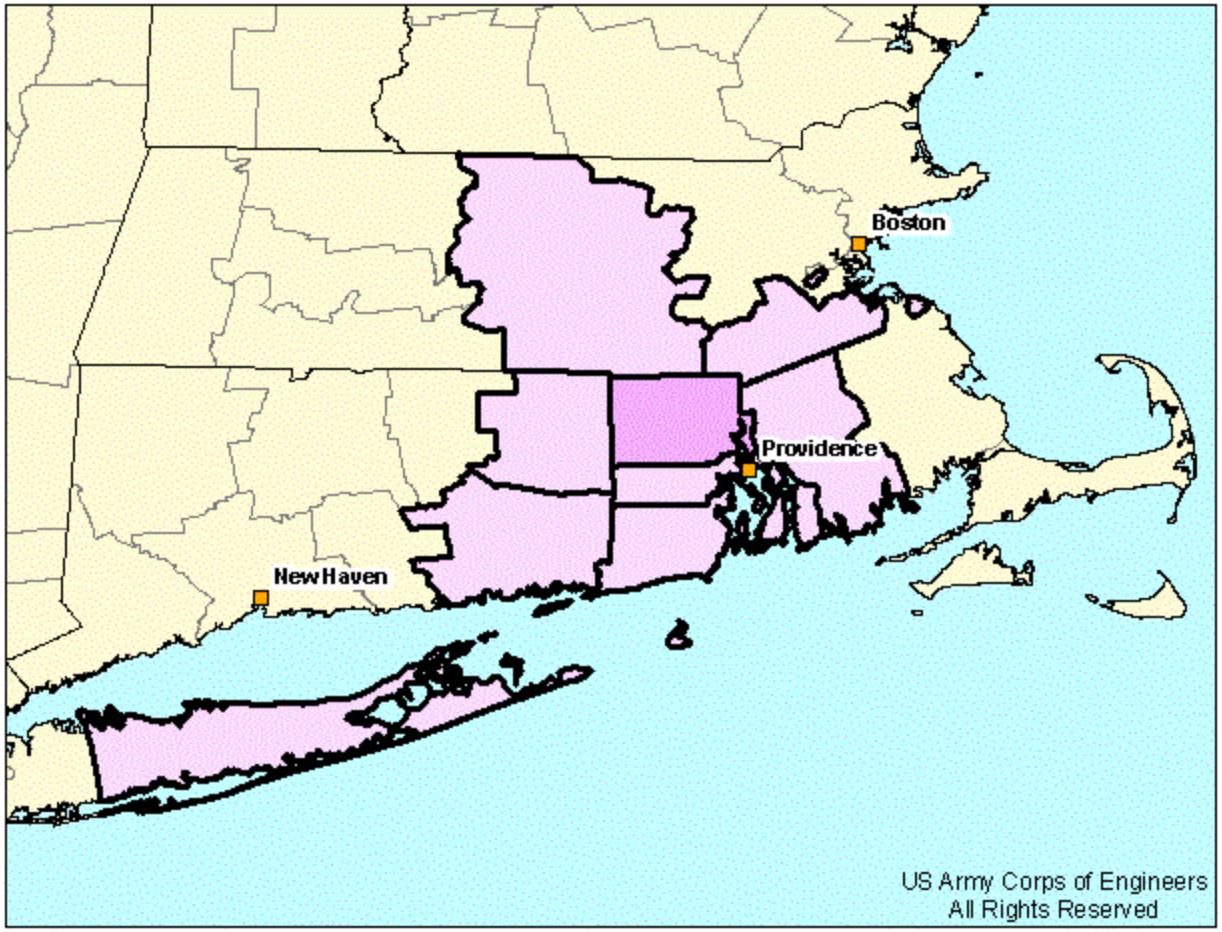
Sources:
HURREVAC
LRL-DEBRIS

Hurricane NoName Temporary Housing Model

US Army Corps of Engineers

Landfall Expected In About 22 Hours

For Planning Purposes Only!



Post Landfall Temporary Housing Model Results

Rhode Island - 4,000
Massachusetts - 700
Connecticut – 200
New York - < 100

Model results per County on following page

This model is based on a Category 1 storm making landfall on coastal RI.

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall on coastal RI. These projections are based on information from the NHC (1600 EDT 08/12/2009) forecast. Temporary housing is based on 1% in CAT 1. The number indicated represents a possible need but not necessarily the scope of mission for USACE.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Housing Model	
Generated By: Siemsen, LRL 1630 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 8 of 13

US Army Corps of Engineers

Hurricane NoName Temporary Housing Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Connecticut		New London County	200
		Windham County	< 100
Connecticut	200		
Massachusetts		Bristol County	400
		Norfolk County	300
		Worcester County	< 100
Massachusetts	700		
New York		Suffolk County	< 100
New York			
Rhode Island		Bristol County	200
		Kent County	700
		Newport County	300
		Providence County	2,300
		Washington County	500
Rhode Island	4,000		

Temporary housing is based on 1% in CAT 1.
The number indicated represents a possible need but not necessarily the scope of mission for USACE.

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Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Housing Model

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Siemsen, LRL 1630 EDT 08/12/2009

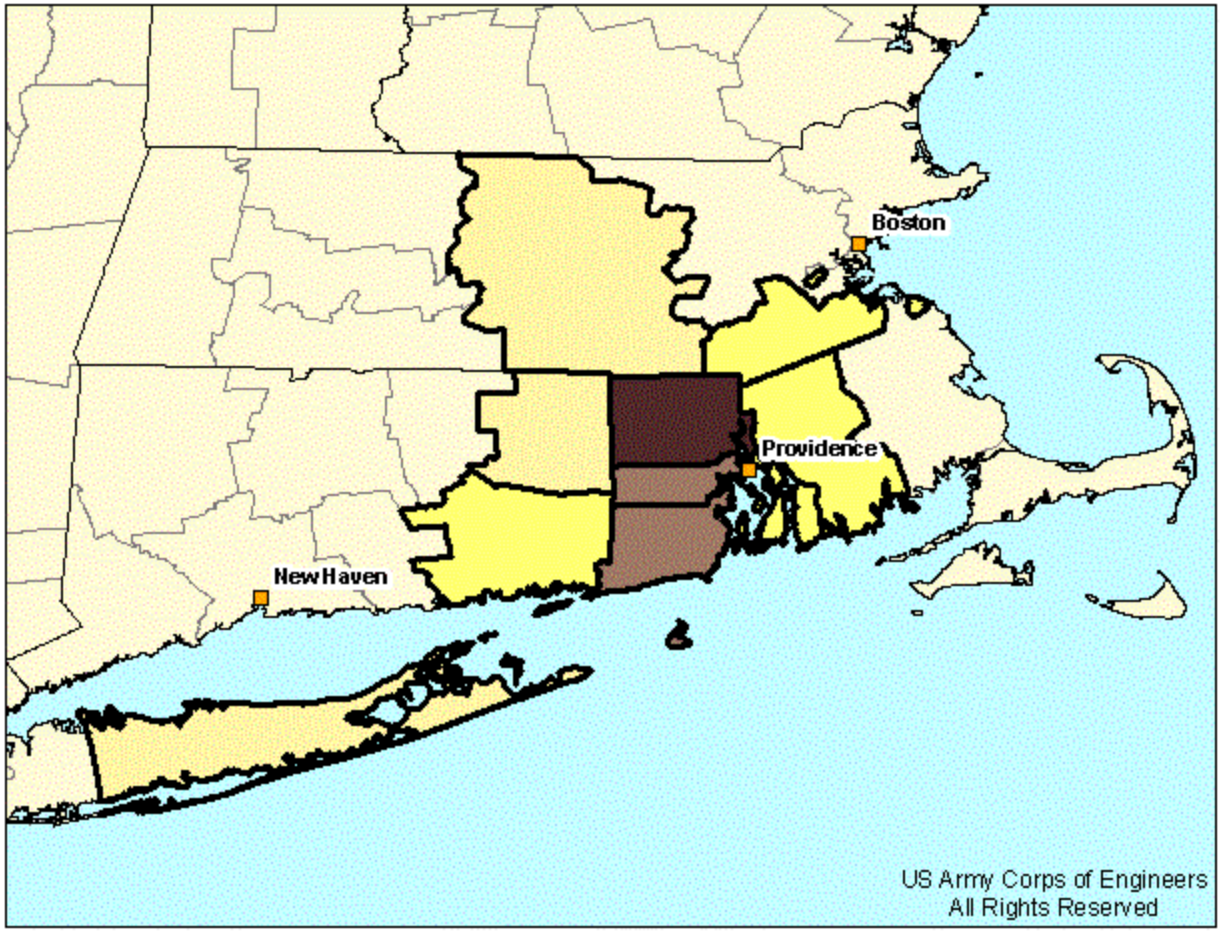
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Population Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!



Post Landfall Population Model Results

Rhode Island - 985,000
Massachusetts - 155,000
Connecticut - 41,000
New York - 13,000

Model results per County on following page

This model is based on a Category 1 storm making landfall on coastal RI.

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 1 storm making landfall on coastal RI. These projections are based on information from the NHC (1600 EDT 08/12/2009) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2008 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Population Model

Generated By:
Siemsen, LRL 1630 EDT 08/12/2009

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Population Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!

State	Population per State	County	Population per County
Connecticut		New London County	41,000
		Windham County	< 1,000
Connecticut	41,000		
Massachusetts		Bristol County	94,000
		Norfolk County	61,000
		Worcester County	< 1,000
Massachusetts	155,000		
New York		Suffolk County	13,000
New York	13,000		
Rhode Island		Bristol County	50,000
		Kent County	168,000
		Newport County	67,000
		Providence County	573,000
		Washington County	127,000
Rhode Island	985,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2008 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
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Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Population Model

Generated By:
Siemsen, LRL 1630 EDT 08/12/2009

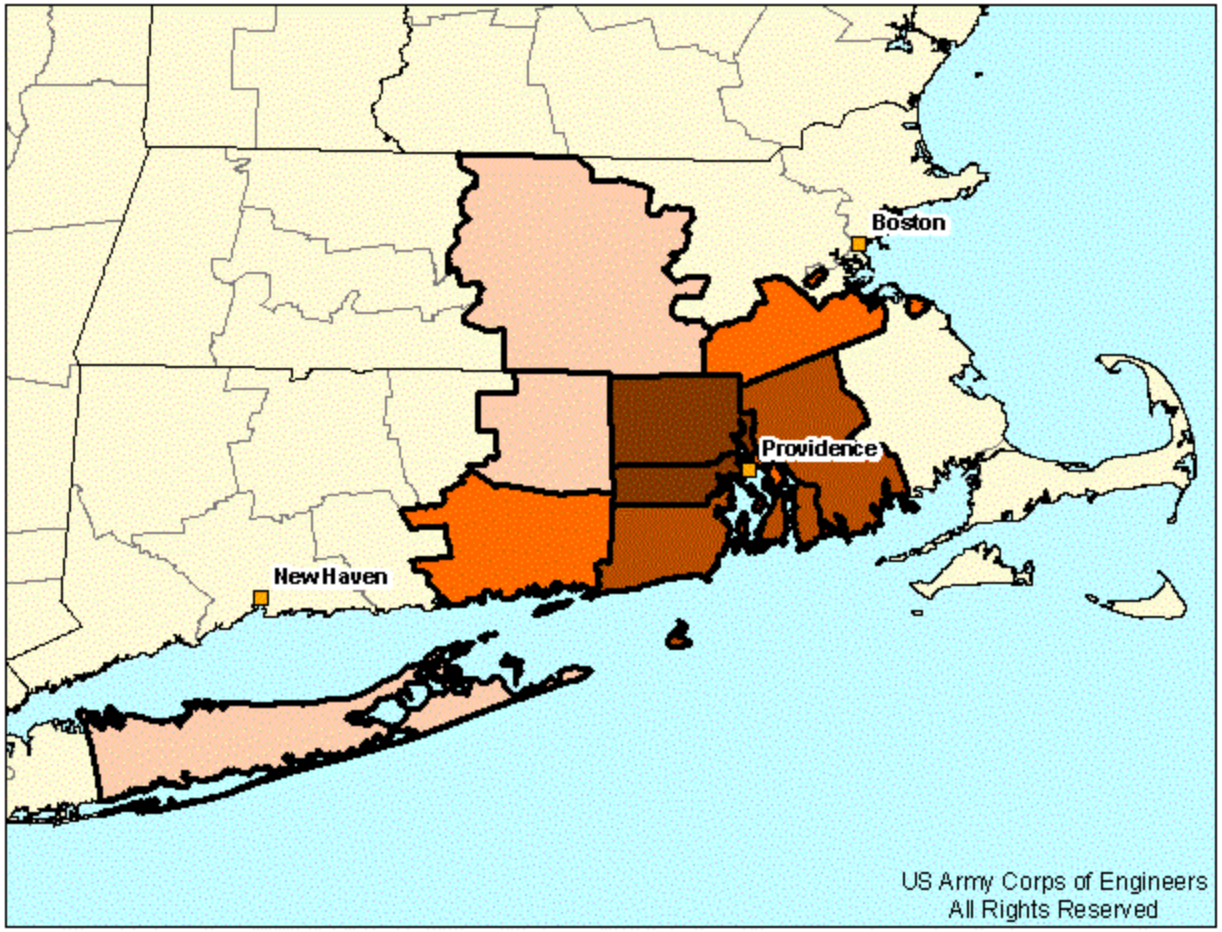
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Households Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!



Post Landfall Households Model Results

Rhode Island - 385,000
Massachusetts - 57,000
Connecticut - 17,000
New York - 6,000

Model results per County on following page

This model is based on a Category 1 storm making landfall on coastal RI.

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 1 storm making landfall on coastal RI. These projections are based on information from the NHC (1600 EDT 08/12/2009) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2008 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Households Model	
Generated By: Siemsen, LRL 1630 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 12 of 13

US Army Corps of Engineers

Hurricane NoName Households Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!

State	Households per State	County	Households per County
Connecticut		New London County	17,000
		Windham County	< 1,000
Connecticut	17,000		
Massachusetts		Bristol County	36,000
		Norfolk County	21,000
		Worcester County	< 1,000
Massachusetts	57,000		
New York		Suffolk County	6,000
New York	6,000		
Rhode Island		Bristol County	19,000
		Kent County	68,000
		Newport County	28,000
		Providence County	222,000
		Washington County	48,000
Rhode Island	385,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2008 values.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane NoName Households Model

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